

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : **02-296448**

(43) Date of publication of application : 07.12.1990

(51)Int.Cl.

H04M 3/56

(21)Application number : **01-117920**

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(22)Date of filing : 11.05.1989

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### (54) LINE EXCHANGE CIRCUIT

(57)Abstract:

**PURPOSE:** To allow the subscribers of an unlimited number to participate in a conference independently of the number of inputs of conference trunks when viewing from subscribers by adopting a constitution such that the input of a conference trunk is controlled dynamically with a push-to-talk(PTT) signal.

CONSTITUTION: A voice inputted by the transmitter of a telephone set 11 with PTT is inputted to a subscriber circuit 12 with a PTT detection circuit 12 and fetched in a channel network 13. Moreover, the PTT signal 17 of the telephone set 11 with PTT is inputted to the subscriber circuit 12 with a PTT detection circuit 12. A control circuit 15 with PTT control outputs a voice inputted to the channel network 13 to a conference trunk circuit 14 with a time division switch 13 according to a PTT detection signal 18. Then the conference trunk circuit 14 sums the inputted voice by (N-1) number of times and outputs the result again to the speech path network 13. Thus, the speech path network 13 sends the voice summed by (N-1) number of times to the receiver of the PTT telephone set 11 through the subscriber circuit with the PTT detection circuit 12.

